

PROBLEM SUMMARY

ACRYLIC ACRYLIC PMX F - AGITATOR

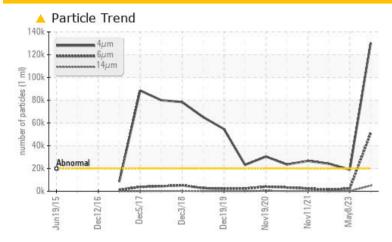
Component Gearbox

SHELL OMALA S2 G 220 (1 GAL)

Sample Rating Trend



COMPONENT CONDITION SUMMARY



RECOMMENDATION

We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor.

PROBLEMATIC TES	ST RESULTS				
Sample Status			ABNORMAL	NORMAL	ATTENTION
Particles >4μm	ASTM D7647	>20000	<u> </u>	18888	<u>4</u> 24148
Particles >6μm	ASTM D7647	>5000	<u> </u>	2332	1412
Particles >14μm	ASTM D7647	>640	4946	88	58
Particles >21µm	ASTM D7647	>160	<u> </u>	19	14
Oil Cleanliness	ISO 4406 (c)	>21/19/16	<u>4</u> 24/23/19	21/18/14	<u>22/18/13</u>

Customer Id: LUBGAS **Sample No.:** WC0866285 Lab Number: 06001579 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Jonathan Hester +1 919-379-4092 x4092 ihester@wearcheckusa.com

To change component or sample information: Customer Service +1 1-800-237-1369 customerservice@wearcheck.com

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Change Filter			?	We recommend you service the filters on this component if applicable.

HISTORICAL DIAGNOSIS

08 May 2023 Diag: Don Baldridge





Resample at the next service interval to monitor. All component wear rates are normal. The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



13 May 2022 Diag: Doug Bogart

ISO



No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. There is a moderate amount of silt (particulates < 6 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report

11 Nov 2021 Diag: Don Baldridge

150



No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



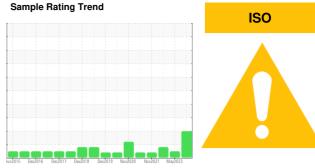


OIL ANALYSIS REPORT

ACRYLIC Area **PMX F - AGITATOR**

Component Gearbox

SHELL OMALA S2 G 220 (1 GAL)



DIAGNOSIS

Recommendation

We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is a high amount of particulates present in the oil.

Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

lun2015 Dec2016 Dec20	17 Dec2018 Dec2019 Nov2020 Nov2021 May2023
SAMPLE INFORMATION method lim	t/base current history1 history2
Sample Number Client Info	WC0866285 WC0748728 WC0690331
Sample Date Client Info	02 Nov 2023 08 May 2023 13 May 2022
Machine Age hrs Client Info	0 0 0
Oil Age hrs Client Info	0 0 2528
Oil Changed Client Info	N/A N/A N/A
Sample Status	ABNORMAL NORMAL ATTENTION
WEAR METALS method lim	t/base current history1 history2
Iron ppm ASTM D5185m >200	5 8 7
Chromium ppm ASTM D5185m >15	<1 0 0
Nickel ppm ASTM D5185m >15	0 <1 0
Titanium ppm ASTM D5185m	0 0
Silver ppm ASTM D5185m	0 0 0
Aluminum ppm ASTM D5185m >25	2 0 0
Lead ppm ASTM D5185m >100	0 0
Copper ppm ASTM D5185m >200	0 0
Tin ppm ASTM D5185m >25	2 0 0
Antimony ppm ASTM D5185m >5	
Vanadium ppm ASTM D5185m	0 0 0
Cadmium ppm ASTM D5185m	0 0
ADDITIVES method lim	t/base current history1 history2
Boron ppm ASTM D5185m 4.4	0 0
Barium ppm ASTM D5185m 0.0	0 0
Barium ppm ASTM D5185m 0.0 Molybdenum ppm ASTM D5185m 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Molybdenum ppm ASTM D5185m 0	0 <1 0
Molybdenum ppm ASTM D5185m 0 Manganese ppm ASTM D5185m	0 <1 0 0 0 <1
Molybdenum ppm ASTM D5185m 0 Manganese ppm ASTM D5185m Magnesium ppm ASTM D5185m 0	0 <1 0 0 0 <1 <1 <1 <1
Molybdenum ppm ASTM D5185m 0 Manganese ppm ASTM D5185m 0 Magnesium ppm ASTM D5185m 0 Calcium ppm ASTM D5185m 0	0 <1 0 0 0 <1 <1 <1 <1 6 4 3
Molybdenum ppm ASTM D5185m 0 Manganese ppm ASTM D5185m Magnesium ppm ASTM D5185m 0 Calcium ppm ASTM D5185m 0 Phosphorus ppm ASTM D5185m 215	0 <1 0 0 0 <1 <1 <1 0 6 4 3 208 263 299 0 31 33
Molybdenum ppm ASTM D5185m 0 Manganese ppm ASTM D5185m 0 Magnesium ppm ASTM D5185m 0 Calcium ppm ASTM D5185m 0 Phosphorus ppm ASTM D5185m 215 Zinc ppm ASTM D5185m 0 Sulfur ppm ASTM D5185m 7038	0 <1 0 0 0 <1 <1 <1 0 6 4 3 208 263 299 0 31 33
Molybdenum ppm ASTM D5185m 0 Manganese ppm ASTM D5185m 0 Magnesium ppm ASTM D5185m 0 Calcium ppm ASTM D5185m 0 Phosphorus ppm ASTM D5185m 215 Zinc ppm ASTM D5185m 0 Sulfur ppm ASTM D5185m 7038	0 <1 0 0 0 <1 <1 <1 0 6 4 3 208 263 299 0 31 33 0 7992 10045 12480
Molybdenum ppm ASTM D5185m 0 Manganese ppm ASTM D5185m 0 Magnesium ppm ASTM D5185m 0 Calcium ppm ASTM D5185m 0 Phosphorus ppm ASTM D5185m 215 Zinc ppm ASTM D5185m 0 Sulfur ppm ASTM D5185m 7038 CONTAMINANTS method lim	0 <1 0 0 0 <1 <1 <1 0 6 4 3 208 263 299 0 31 33 0 7992 10045 12480 t/base current history1 history2
Molybdenum ppm ASTM D5185m 0 Manganese ppm ASTM D5185m 0 Magnesium ppm ASTM D5185m 0 Calcium ppm ASTM D5185m 0 Phosphorus ppm ASTM D5185m 215 Zinc ppm ASTM D5185m 0 Sulfur ppm ASTM D5185m 7038 CONTAMINANTS method lim Silicon ppm ASTM D5185m >50	0 <1 0 0 0 <1 <1 <1 0 6 4 3 208 263 299 0 31 33 0 7992 10045 12480 t/base current history1 history2 2 2 <1
Molybdenum ppm ASTM D5185m 0 Manganese ppm ASTM D5185m 0 Magnesium ppm ASTM D5185m 0 Calcium ppm ASTM D5185m 0 Phosphorus ppm ASTM D5185m 215 Zinc ppm ASTM D5185m 0 Sulfur ppm ASTM D5185m 7039 CONTAMINANTS method lim Silicon ppm ASTM D5185m >50 Sodium ppm ASTM D5185m >20 Potassium ppm ASTM D5185m >20	0 <1 0 0 0 <1 <1 <1 0 6 4 3 208 263 299 0 31 33 0 7992 10045 12480 t/base current history1 history2 2 2 <1 0 0 <1
Molybdenum ppm ASTM D5185m 0 Manganese ppm ASTM D5185m 0 Magnesium ppm ASTM D5185m 0 Calcium ppm ASTM D5185m 0 Phosphorus ppm ASTM D5185m 215 Zinc ppm ASTM D5185m 0 Sulfur ppm ASTM D5185m 7039 CONTAMINANTS method lim Silicon ppm ASTM D5185m >50 Sodium ppm ASTM D5185m >20 Potassium ppm ASTM D5185m >20	0 <1 0 0 0 <1 <1 <1 0 6 4 3 208 263 299 0 31 33 0 7992 10045 12480 t/base current history1 history2 2 2 <1 0 <1 <1 0 <1 <1 0 history1 history2
Molybdenum ppm ASTM D5185m 0 Manganese ppm ASTM D5185m 0 Magnesium ppm ASTM D5185m 0 Calcium ppm ASTM D5185m 0 Phosphorus ppm ASTM D5185m 215 Zinc ppm ASTM D5185m 0 Sulfur ppm ASTM D5185m 7038 CONTAMINANTS method lim Silicon ppm ASTM D5185m >50 Sodium ppm ASTM D5185m >20 FLUID CLEANLINESS method lim	0 <1 0 0 0 <1 <1 <1 0 6 4 3 208 263 299 0 31 33 0 7992 10045 12480 t/base current history1 history2 2 2 <1 0 <1 <1 0 0 <1 t/base current history1 history2 000 130458 18888 24148
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Molybdenum ppm ASTM D5185m 0 Manganese ppm ASTM D5185m 0 Magnesium ppm ASTM D5185m 0 Calcium ppm ASTM D5185m 0 Phosphorus ppm ASTM D5185m 215 Zinc ppm ASTM D5185m 0 Sulfur ppm ASTM D5185m 7039 CONTAMINANTS method lim Silicon ppm ASTM D5185m >50 Sodium ppm ASTM D5185m >20 FLUID CLEANLINESS method lim Particles >4μm ASTM D7647 >200 Particles >6μm ASTM D7647 >500	0 <1 0 0 0 <1 <1 <1 0 6 4 3 208 263 299 0 31 33 0 7992 10045 12480 t/base current history1 history2 2 2 <1 0 <1 <1 0 <1 <0 0 t/base current history1 history2 000 130458 18888 24148 000 130458 18888 24148 00 4946 88 58
Molybdenum ppm ASTM D5185m 0 Manganese ppm ASTM D5185m 0 Magnesium ppm ASTM D5185m 0 Calcium ppm ASTM D5185m 0 Phosphorus ppm ASTM D5185m 215 Zinc ppm ASTM D5185m 0 Sulfur ppm ASTM D5185m 7038 CONTAMINANTS method lim Silicon ppm ASTM D5185m >50 Sodium ppm ASTM D5185m >20 FLUID CLEANLINESS method lim Particles >4μm ASTM D7647 >200 Particles >6μm ASTM D7647 >640 Particles >14μm ASTM D7647 >640	0 <1 0 0 0 <1 <1 <1 0 6 4 3 208 263 299 0 31 33 0 7992 10045 12480 t/base current history1 history2 2 2 <1 0 <1 <0 <1 <1 0 0 <1 <100 A 18888 24148 <00 A 51124 2332 1412 <0 A 4946 88 58
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OIL ANALYSIS REPORT







Certificate L2367

Laboratory Sample No. Lab Number **Unique Number**

: WearCheck USA - 501 Madison Ave., Cary, NC 27513

: WC0866285 : 06001579

: 10729939

Diagnosed : 10 Nov 2023 : Jonathan Hester Diagnostician

Received

Test Package : IND 2 (Additional Tests: PrtCount) To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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: 08 Nov 2023